

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA00269BO

This Certificate issued to

Avidyne Corporation
55 Old Bedford Road
Lincoln, Massachusetts 01773

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product Type Certificate Number:

See attached FAA Approved Model List (AML), Document No. AVTWX-010, Rev 02, dated April 8, 2008, or later FAA approved revisions for the list of approved airplane models and applicable regulations.

Make:

Model:

Description of Type Design Change:

Installation of Avidyne Corporation TWX 670 Tactical Weather Detection System P/N 850-00026-000-() consisting of Avidyne Processor P/N 700-00033-000-(), Sensor Systems Inc. Antenna P/N S72-1715-1 with doubler plate P/N S72-171530-1, and Avidyne Mounting Tray P/N 700-00034-000 in accordance with Avidyne Corporation Master Document List, Document No. AVTWX-003, Revision 09, dated April 03, 2008, or later FAA-approved revisions.

Limitations and Conditions:

1. The Tactical Weather Detection System integrates with separately approved system installations. Adherence to the limitations in the appropriate Aircraft Flight Manual Supplements for those systems is mandatory.
2. Instructions for Continued Airworthiness (ICA), Avidyne Corporation Document AVTWX-004, Revision 06, dated April 2, 2008 or later FAA accepted revision shall be made available to the operator at the time of installation.
3. Compatibility of this design with previously approved modifications must be determined by the installer.

... See continuation sheet 2 ...

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: October 15, 2007

Date reissued:

Date of issuance: April 8, 2008

Date amended:



By direction of the Administrator

Robert G. Mann
(Signature)

Robert G. Mann
Manager
Boston Aircraft Certification Office

(Title)

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Date Issued: April 8, 2008

Certification Basis

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for non significant changes in FAA Order 8110.48, the certification basis for installation of the Tactical Weather Detection System in the aircraft listed on the Approved Model List is as follows:

- a. The particular aircraft type certification basis in the Approved Model List for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, October 15, 2007, is based on 14 CFR Part 23 as amended by amendment 23-57 except for certain structural rules as identified below. Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for non significant changes in Order 8110.48, the certification basis for this modification was determined to be:

23.301(a)(b)(c)(d) Amendment 23-42, 23.303, 23.305(a)(b) Amendment 23-45, 23.307(a)(b), 23.561(a)(b)(3) Amendment 23-45, 23.607, 23.609(a), 23.771(a), 23.777(a), 23.1301(a)(b)(c)(d), 23.1309(a)(1)(2)(b)(e), 23.1351(a)(2)(i)(b), 23.1357(a)(2)(b)(c)(1), 23.1359(c), 23.1365(a)(b)(d)(e)(f), 23.1367(a)(c)(d), 23.1431(a)(b), 23.1501(a)(b), 23.1529, 23.1555(a), 23.1583(m), 13.1585(j).

....END....